

ABSTRACT OF THE DISCLOSURE

5 Provided are methods, data processing systems,
recovery components and computer programs for recovering
from failures affecting data repositories. In a data
processing system in which updates applied to a data
repository are applied within transactional units of
work, a secondary copy is stored of data items held
within the data repository and updates applied to the
10 data repository within transactional units of work. In
response to a failure affecting a primary copy of the
data repository, the secondary copy is used to identify a
set of operations required for restoring data items and
applied updates to the primary copy of the data
15 repository. The set of operations are analyzed to
determine the state, at the time of the failure, of each
unit of work corresponding to one or more operations of
the identified set of restore operations. Restore
operations of the identified set are then performed if
20 performance is consistent with the determined state of
the corresponding unit of work, but restore operations
for which performance is inconsistent with the determined
state of the corresponding unit of work are disregarded.
The method enables efficiency improvements for recovery
25 processing.